

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs                                   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---------------------------------------|------------------|---------|---------------------|
| S121  | 1    | ("4908679").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/02<br>13:19 |
| S120  | 1    | ("4042951").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/02<br>13:17 |
| S119  | 1    | ("20060125019").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/02<br>13:05 |
| S118  | 1    | ("6825073").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/02<br>12:54 |
| S117  | 1    | ("5459084").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/02<br>12:50 |
| S116  | 151  | "cosi.sub.2" with sig   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR               | OFF     | 2010/11/01<br>13:26 |
| S115  | 1    | ("6825073").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>13:07 |
| S114  | 1    | ("6110821").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>13:06 |
| S113  | 6    | S112 and heterojunction   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR               | OFF     | 2010/11/01<br>12:48 |
| S112  | 673  | (257/754).CCLS.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>12:47 |
| S111  | 6    | S108 and (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (\$3silicide\$1 with (titanium or cobalt))) | US-PGPUB;<br>USPAT; USOCR             | OR               | ON      | 2010/11/01<br>12:41 |
| S110  | 16   | S108 and silicide   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR               | ON      | 2010/11/01<br>12:40 |
| S109  | 16   | S108 and silicide   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR               | OFF     | 2010/11/01<br>12:40 |
| S108  | 173  | (257/502).CCLS.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>12:40 |
| S107  | 1    | ("7397101").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>12:31 |
| S106  | 1    | ("5777390").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR               | OFF     | 2010/11/01<br>12:29 |

|      |     |  |                        |    |     |                  |
|------|-----|--|------------------------|----|-----|------------------|
| S105 | 309 | ohmic with contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (\$3silicide\$1 with (titanium or cobalt)))                             | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:22 |
| S104 | 0   | ohmic with contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (\$3silicide\$1 with (titanium or cobalt)))                             | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:22 |
| S103 | 1   | photodetector and ohmic with contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (\$3silicide\$1 with (titanium or cobalt)))           | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:22 |
| S102 | 11  | S101 not S95   | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:18 |
| S101 | 682 | diode and contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (\$3silicide\$1 with (titanium or cobalt)))                              | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:18 |
| S100 | 45  | ("4244750"   "4322695"   "4394571"   "4398344"   "4467340"   "4485389"   "4496964"   "4531055"   "4533933"   "4543442"   "4568897"   "Re29578").PN. OR ("4857973").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/01 12:17 |
| S99  | 5   | ("4857973"   "5589704"   "5958505"   "6374001"   "6553157").PN. OR ("6815245").URPN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/01 12:14 |
| S98  | 13  | "5958505"  | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 12:11 |
| S97  | 0   | S95 and @pd<"01012003"   | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 11:50 |
| S96  | 672 | S95 and pd<"01012003"  | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 11:50 |
| S95  | 672 | diode and contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (silicide with (titanium or cobalt)))                                    | US-PGPUB; USPAT; USOCR | OR | ON  | 2010/11/01 11:49 |

|     |         |   |                                       |    |     |                     |
|-----|---------|---|---------------------------------------|----|-----|---------------------|
| S94 | 450     | diode and contact same (aluminum or al) same (cosi2 or tisi2 or "cosi.sub.2" or "tisi.sub.2" or (silicide with (titanium or cobalt))) | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:49 |
| S93 | 33      | "4254429"   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:46 |
| S92 | 19      | ("4521447"   "5041302"   "5192393"   "5246886").PN. OR ("5633194").URPN.  | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:34 |
| S91 | 54      | S90 and germanium   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:26 |
| S90 | 202     | S89 and heterostructure   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:26 |
| S89 | 5869    | S88 and silicon with substrate  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:25 |
| S88 | 26770   | contact with ((back near side) or backside)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2010/11/01<br>11:25 |
| S87 | 154     | S84 and silicon with substrate  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:14 |
| S86 | 8968777 | d   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:14 |
| S85 | 672707  | S84 and silicon with substrate  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:14 |
| S84 | 183     | S82 and silicide with contact   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2010/11/01<br>11:14 |
| S83 | 152     | S82 and silicide with contact   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2010/11/01<br>11:14 |
| S82 | 4572    | \$5diode\$1 and contact with ((back near side) or backside)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2010/11/01<br>11:13 |
| S81 | 1       | ("4947218").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:10 |
| S80 | 1       | ("5736863").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:08 |
| S79 | 1       | ("5567634").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/11/01<br>11:06 |
| S78 | 1       | ("20080217723").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2010/10/29<br>14:00 |

|     |       |   |                                       |      |     |                     |
|-----|-------|---|---------------------------------------|------|-----|---------------------|
| S77 | 1     | S75 and (tisi2 or "tisi.<br>sub.2" or "cosi.sub.2" os<br>cosi2 or "tige.sub.2" or<br>tige2) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>13:14 |
| S76 | 40    | S75 and silicide  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>13:14 |
| S75 | 208   | S74 and strain\$4   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>13:14 |
| S74 | 305   | (germanium or ge)<br>heteroepitax\$4 (silicon or<br>si)                                     | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>13:13 |
| S73 | 53    | S72 and (tisi2 or "tisi.<br>sub.2")   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:42 |
| S72 | 799   | S71 and (detector or<br>photodetector)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:42 |
| S71 | 25936 | silicide contact  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:42 |
| S70 | 1236  | S69 and (detector or<br>photodetector)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:42 |
| S69 | 36547 | silicide same contact   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:42 |
| S68 | 22    | S67 and (detector or<br>photodetector)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:41 |
| S67 | 123   | silicide same contact<br>backside   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>12:41 |
| S66 | 5     | "6399422"   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>11:38 |
| S65 | 55    | S64 and (silicon or si) and<br>(germanium or ge)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>11:30 |
| S64 | 175   | silicide backside   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | WITH | ON  | 2010/10/29<br>11:29 |
| S63 | 1     | ("6274488").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR   | OFF | 2010/10/29<br>11:22 |
| S62 | 94    | S60 and germanium   | US-PGPUB;<br>USPAT; USOCR             | WITH | ON  | 2010/10/28<br>18:45 |
| S61 | 0     | S60 and geramnium   | US-PGPUB;<br>USPAT; USOCR             | WITH | ON  | 2010/10/28<br>18:45 |
| S60 | 345   | back contact silicide   | US-PGPUB;<br>USPAT; USOCR             | WITH | ON  | 2010/10/28<br>18:45 |

|     |     |  |                           |      |     |                     |
|-----|-----|--|---------------------------|------|-----|---------------------|
| S59 | 275 | back contact silicide  | US-PGPUB;<br>USPAT; USOCR | WITH | OFF | 2010/10/28<br>18:45 |
| S58 | 17  | ("20030146428"  <br>"3783009"   "5208182"  <br>"5461243"   "5759898"  <br>"5847419"   "6222200"  <br>"6331445"   "6649492").<br>PN. OR ("6812495").URPN. | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2010/10/28<br>18:36 |
| S57 | 2   | (10/307779).APP.   | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2010/10/28<br>18:35 |

**EAST Search History (Interference)**

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**11/ 2/ 2010 4:08:20 PM****H:\ East\ Workspaces\ 10566686.wsp**